Relyon Nutec	
Course code	LSP356
Course name	NR-10 - Refresh - Safety for Electrical Installations and Services
Duration	2 days
Target group	Industrial and maritime workers who deal directly or indirectly with electricity.
Prerequisites	 RG and CPF; Passport (expatriate); Have a NR10 - 40hours certificate of Basic Safety for Electrical Installation and Services.
Objective	Qualify workers from industrial and maritime areas who deal directly or indirectly with electricity.
Contents	Theory - 16 Hours
	 Risks in Facilities and Services with Electricity: Electric shock, mechanisms and effects; electric arcs; Burns and falls; Electromagnetic fields. Risk Analysis Techniques; Control Measures of Electrical Risk: de-energization; functional grounding (TN/TT/IT); protection; temporary; equipotentialization; automatic feeding sectioning; leakage current devices; extra low voltage; barriers and wrappers; blockages and impediments; obstacles and bulkheads; lnsulation of the living parts; double or reinforced insulation; out-of-reach placement; electrical separation. Brazilian Technical Standards - NBR of ABNT: NBR-5410, NBR 14039 and others; Ministry of Labor Regulations: a) NR's; NR-10 (Safety in installations and services with electricity); c) Qualification; license, empowerment and authorization. Collective Protective Equipment; Personal Protective Equipment; Personal Protective Equipment.
Exam	Multiple choice exam with minimum passing grade of 60%.
	Validity: 2 years